



PATENT

Case Docket No. MICRON.270A

Date: July 23, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : James G. Deak  
Appl. No. : 10/764,832  
Filed : January 26, 2004  
For : MAGNETIC ANNEALING  
SEQUENCES FOR PATTERNED  
MRAM SYNTHETIC ANTIFERRO-  
MAGNETIC PINNED LAYERS  
Examiner : Unknown  
Group Art Unit : 2812

Certificate of Mailing

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

7/23/04

(Date)

Bruce S. Itchkawitz, Reg. No. 47,677

TRANSMITTAL LETTER

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) An Information Disclosure Statement.
- (X) A PTO Form 1449 listing eleven (11) references, with copies of three (3) references.
- (X) A return prepaid postcard.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.

Bruce S. Itchkawitz  
Registration No. 47,677  
Attorney of Record  
Customer No. 20,995  
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## INFORMATION DISCLOSURE STATEMENT

Applicant : James G. Deak  
App. No. : 10/764,832  
Filed : January 26, 2004  
For : MAGNETIC ANNEALING SEQUENCES  
FOR PATTERNED MRAM SYNTHETIC  
ANTIFERROMAGNETIC PINNED  
LAYERS  
Examiner : Unknown  
Group Art Unit : 2812

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

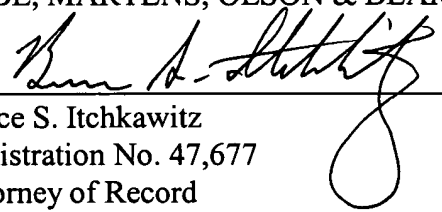
Enclosed is form PTO-1449 listing eleven (11) references. Copies of disclosed U.S. patents and/or publications are not included pursuant to PTO waiver of the requirement under 37 C.F.R. § 1.98(a)(2)(i) for applications filed after June 30, 2003. Copies of other references, if listed, are enclosed.

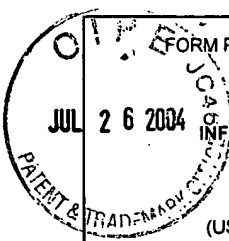
This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97(b)(3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 7/23/04

By:   
Bruce S. Itchkawitz  
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 FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE <b>INFORMATION DISCLOSURE STATEMENT          BY APPLICANT</b> (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. MICRON.270A	APPLICATION NO. 10/764,832
	APPLICANT James G. Deak	
	FILING DATE January 26, 2004	GROUP 2812

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	1	4,731,757	03/15/88	Daughton et al.			
	2	5,650,887	07/22/97	Dovek et al.			
	3	5,841,692	11/24/98	Gallagher et al.			
	4	6,027,948	02/22/00	Jensen et al.			
	5	6048,738	04/11/00	Hurst et al.			
	6	6,413,788 B1	07/03/03	Tuttle			
	7	6,707,084 B2	03/16/04	Katti et al.			
	8	6,744,086 B2	06/01/04	Daughton et al.			

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	9	Brown, W.F., Jr., et al., <i>Structure and Energy of One-Dimensional Domain Walls in Ferromagnetic Thin Films</i> , <u>Journal of Applied Physics</u> , Vol. 36, No. 4, April 1965; pp. 1380-1386.
	10	Schrag, B.D., et al., <i>Neel "orange-peel" coupling in magnetic tunneling junction devices</i> , <u>Applied Physics Letters</u> , Vol. 77, No. 15, Oct. 9, 2000; pp. 2373-2375.
	11	Shi, et al., <i>End Domain States and Magnetization Reversal in Submicron Magnetic Structures</i> , <u>IEEE Transactions on Magnetics</u> , Vol. 34, No. 4, July 1998; pp. 997-999.

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EXAMINER	DATE CONSIDERED
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	